



High Speed Doucment Camera Scanner

USER MANUAL

MADE IN CHINA



CATALOGUE

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1. SAFTY INSTRUCTIONS

- Warning: This product contains small parts, please do not swallow. Children must use this product under adult supervision.
- Recommended age for user: over 12.
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This device doesn' t contain any battery.
- Please use the accessories in the package for assembly, and do not tamper the power cords, adaptor or other parts of the product.
 - In case of overheating, unusual smell or smoke, please immediately diconnect the device physically from the mains supply and contact the vendor. When charging the device, ensure good ventilation and always place the unit on non-flammable surfaces.
 - In order to avoid product damage, please do not expose it to rain, high humidity or any unspecified outdoor environment. Please use the device in a dry environment.
 - Please keep this device clean and dry, and avoid water, dust or other foreign matter into it.
 - Please do not place the device near an open flame like a candle or similar.
 - Please do not expose the device direct sunshine or over 40 degree Celsius environment.
 - Please do not use water, alcohol or chemicals to clean the device directly. When cleaning, please disconnect the device from any power source.
 - Please avoid falling down from height level against damage the product. Please use right steps to operate this device correctly and safely.
 - Please do not disassemble and repair this device by yourself. If you encounter any problem that cannot be solved, please contact the vendor.

2. PRODUCT INTRODUCE

The high speed doucment camera scanner (HSDCS) has six high brightness fill LEDs that use clearer images. It has blue indicator light, uses 5V (< 1A) power USB interface (USB2.0 / 3.0), and does not need any external power supply. The working humidity is 20% ~ 80%, and the working temperature is - 20 ° C ~ 50 ° C.

3. PRODUCT SPECIFICATION

Product Name	Arrison High Speed Doucment Camera Scanner	
Model No.	AKC504 AKC501	AKC503
Product Structure	Plastic vertical folding structure	Vertical folding structure of metal aluminum rod
Product Camera	5 M pixels CMOS camera	10 M pixels CMOS camera
Product Size	302 x 205 x 75 mm	433 x 245 x 128mm
Package Size	380 x 100 x 100 mm	505 x 165 x 135 mm
Product Net Weight	Approx.350g	Approx.740g
Working Platforms	PC / Laptop / Notebook Windows (XP / 7 / 8 / 10)	
Working Mode	Graphics / Video	
Package Contents	1x Arrison High Speed Doucment Camera Scanner,1x User Manual, 1x USB Cable,1x Soft Positioning Rubber Pad,1 x USB flash disk	

4. PRODUCT INSTALLATION

4.1 HARDWARE CONNECTION

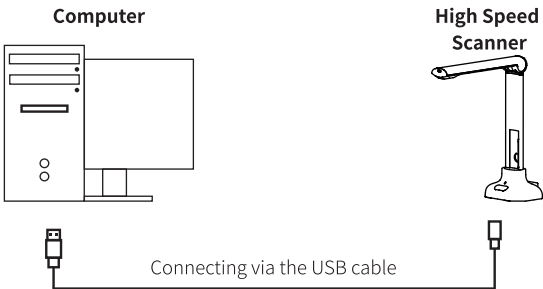
The product is connected to a computer by using a universal serial bus (USB) port. We provide a USB cable with other accessories.

Installation Steps:

- (1) Turn on the computer, connect one end of the USB cable to the port of the High Speed Doucment Camera Scanner (HSDCS) and the other end to the USB port of the computer.
- (2) After the connection, the work indicator light of the High Speed Doucment Camera Scanner (HSDCS) will be turn on, and then the system will find the new device automatically.

Note:

- (1) Please guarantee that the computer’s USB port is normal and the version shall be USB 2.0 or 3.0, otherwise the device cannot be used properly.
- (2) Please refer to the user manual of your computer if you cannot find a USB port on your computer.



4.2 SOFTWARE INSTALLATION

Installation Steps:

- (1)Note: the installation program is in the USB flash disk.
- (2) Unzip the file and run the software installation package.
- (3) After the installation interface pops up, you can select a user-defined installation directory or the default installation path, create the desktop shortcut, and keep clicking “next step” as instructed until the installation is finished.

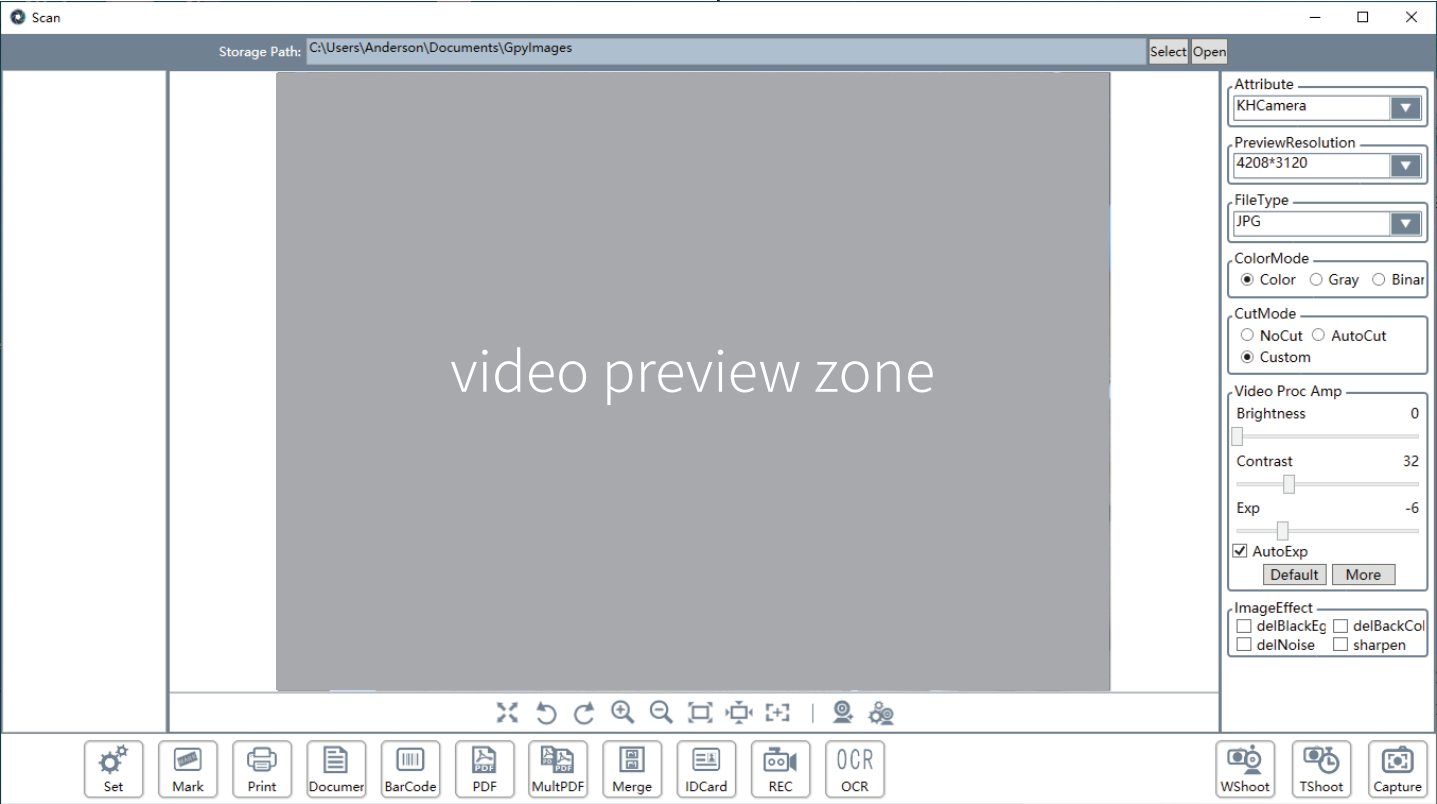
Note:

- (1) In case any antivirus software inquires whether the installation is allowed or stopped during the process, please select “allow the operation” .
- (2) If you have any problem with our software while using, please take some screenshots of the relevant operation or record some videos, and then contact us.

Tel:647-350-8878
Email:info@addcanada.ca
Business hour:9:00 a.m to 5:00 p.m(EST)
Monday to Friday

5. SOFTWARE FUNCTIONS

After running the application program, it can preview the images collected by the camera in real time. The interface is as shown below:



5.1 Shooting

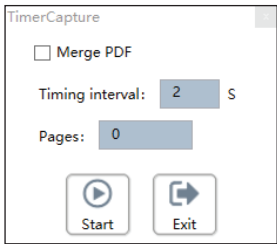


After the camera is turned on, photographing can be made by clicking the "Capture" button. You can view the images in the image list on the left side of the software.

5.2 Time Shooting



Click the "TShoot" button to pop up the dialog box as shown on the right:

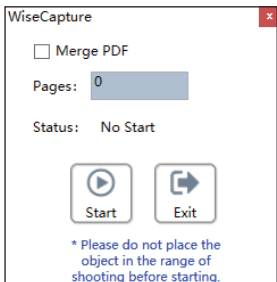


You may set the interval for timed shooting on the dialog box. Click the "Start" button for timed shooting and the number of images will be displayed in real time. If the item "Merge PDF" is checked, previous images will be combined into one PDF file after the timed shooting steps.

5.3 Smart Shooting

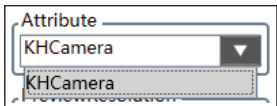


Smart Shooting is the function of automatically detecting paper changes to finish shooting. Click the "WShoot" button to pop up the dialog box as shown on the right:



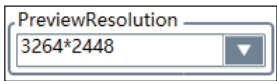
First of all, don't place relevant subject within the shooting range before starting the function. After clicking the "Start" button, it will automatically detect paper changes and display the detection status, shooting status and number of images in real time. If the item "Merge PDF" is checked, previous images will be combined into one PDF file after the smart shooting stops.

5.4 Switchover of Primary and Secondary Cameras



If your HSDCS has two cameras, you can select the primary camera in the "Attribute" drop-down box on the right side menu and switch it to the secondary camera.

5.5 Resolution Setting



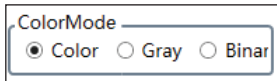
In the "Preview resolution" drop-down box on the right side menu, you can see all the resolution options supported by the camera. Select one of them to finish the setting.

5.6 File Format Setting



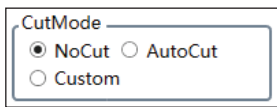
You can set file formats such as JPG, BMP and PNG in the "File Type" drop-down box on the right side menu.

5.7 Image Color Mode Setting



In the "Color mode" column on the right side menu, you can select the color mode for images. Currently three color modes: Color, Gray and Binary.

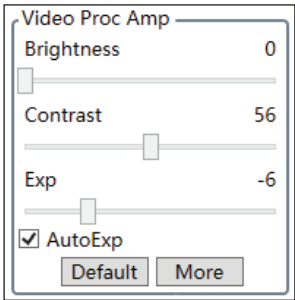
5.8 Cutting Mode Setting



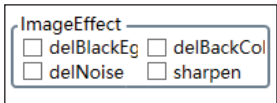
In the "Cut Mode" column on the right side menu, you can select one of three cutting modes: no cutting, automatic cutting and customized cutting. If the automatic cutting mode is chosen, it will automatically look for edges and correct the image. If the manual cutting mode is chose, you can make a user-defined shooting range by directly dragging and adjusting the range in the video preview zone.

5.9 Video Quality Adjustment

You can adjust video quality and effects by setting the parameters such as camera luminance, contrast ratio, and exposure as shown on the right menu. The default video parameters will be restored by clicking the "Default" button, while more video parameters can be set by clicking the "More" button.



5.10 Image Effect



The software is equipped with image effect adjustment functions such as removing black edges, removing underpainting, removing noise and sharpening processing.

5.11 Camera Operation



The operations such as video preview, full-screen display, levorotation, dextrorotation, zoom-in, zoom-out, 1:1 display, adaptive screen, and automatic focusing can be realized by operating the tool bar.

5.12 Assist Camera Operation

Turn on the secondary camera to make the primary and secondary cameras display in the same screen. If it's necessary to perform other operations for the secondary camera, you can enter the secondary camera setting dialog box as shown on the right menu.

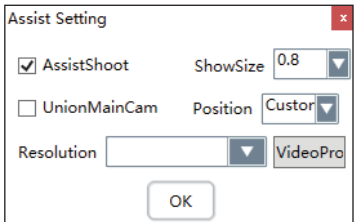


Close / open the assist camera



Set assist camera

In the dialog box, you can select "Secondary camera shooting", set the display size for the camera, switch its resolution ratio, and set the combined position for it and the primary camera.



5.13 Setting



By Time

By DateFolder

By Barcode

By QrCode

Custom

Prefix: IMG + 0000

Increase by 2 steps

Fixed Name

JPG Quality

100%

DPI: Default Custom 200

PrintMode: Zoom 1 : 1

Language English Play audio

OK

Click the "Set" button to pop up the NameType Setting, JPG Quality Setting and Printing Setting, Language Setting and Audio Setting dialog box as shown above.

NameType Setting

Click the "Set" button to select "By Time", "By DateFolders", "Naming By Barcode", "By QrCode", "Custom" or "Fixed Name" in the NameType column.

JPG Quality Setting

The image quality setting is valid for JPG images only. Click the "Set" button and make your setting on the JPG Quality column in the dialog box. The higher the value is, the better the quality will be.

Printing Setting

Click the "Set" button to pop up the dialog box and select one print mode in the "Other" column: adaptive printing and 1: 1 printing.

Language Setting

You can select the language that suits you in the "Language" drop-down box.

Audio Setting

Check the item "Play audio" to play the audio while shooting.

5.14 Instant Printing



You can directly finish shooting and use a printer for printing by clicking the "Print" button, which is easy and rapid.

5.15 Document Shooting



This shooting mode is especially suitable for capturing documents' images, automatically removing background color and optimizing the effect of capturing images.

5.16 Watermark Setting



Add WaterMark

MarkType Text

Add time

TextContent

Size 80

Font 黑体

Trans 100%

Style General

XOffset 100%

Color Red

YOffset 100%

Apply

Exit

Click the "Mark" button to pop up the watermark setting dialog box as shown above. Check the item "Add WaterMark" to add relevant watermark information in the image. The watermarks are composed of two types, words and pictures. Finish the setting by choosing corresponding watermark.

5.17 Instant Bar Code Recognition



Click the "BarCode" button for direct barcode recognition, and name the image with the recognized barcode result.

5.18 Instant PDF



Click the "PDF" button to directly save the image as one pdf file.

5.19 Multi-page PDF



Click the "MultiPDF" button to pop up the multi-page PDF dialog box as shown below.If the item "Save source image" is checked, each image added to PDF will be saved and displayed in the image list. Otherwise such image added to PDF will not be saved and any combined PDF file will be saved only.

Save source image

PDF Pages: 0

Add Page

Finish

Exit

5.20 Merge PDF



Click the "Merge" button to pop up the dialog box as shown below. In the dialog box, you can set the number of combined pages and combination direction. If the item "Save source image" is checked, each image in the combination will be saved and displayed in the image list. Otherwise only combined images will be saved only.

5.21 IDCard Recognition



It is suitable for Chinese ID Card. Click the "IDCard" button to pop up the ID card dialog box as shown below. For any HSDCS with an ID card reader, ID card information can be read by clicking the "ID card reading" button after putting it in the recognition zone. The ID card information read will be saved in a form, and you can click the "Open form" button to check relevant information. However, the function "ID card recognition" does not need the above ID card reader. The words on an ID card can be directly recognized through OCR.

Card Info

Name

Sex

Born

Address

Number

Nation

Save

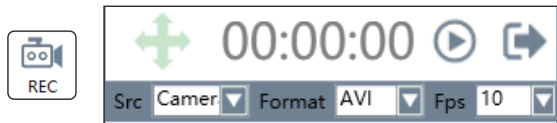
OpenTable

ReadCard

CardOcr

Exit

5.22 Video Recording



Click the "REC" button to pop up the dialog box as shown above:
In the dialog box, you can choose the screen or camera as the source of video, set the format for video recording (AVI, WMV, and MP4), and set the frame rate for picture recording.

5.23 OCR Software



Click the "OCR" button, it will open the Kinghun OCR Software to perform OCR text recognition of images.

5.24 Editing Image

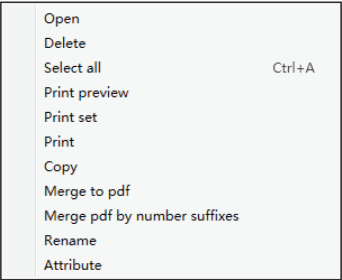


The function is mainly used to perform post processing and production for ready-made images. Click the "Edit" button to operate the editing function module.

5.25 Right Click Menu Of Image List

Right click the image list on the left of the software to pop up the list menu as shown on the right.

You can click any desired function on the menu after selecting relevant image in the list.



6. FAQ AND SOLUTIONS

Q: How to automatically trim in a better manner?

A: In order to have favorable automatic trimming effects, it's required to make the background and subject have certain chromatic aberration. An original black manuscript stand or black cushion is recommended for shooting any document.

Q: The device cannot be found.

A: (1) It's not connected. Please connect it.
(2) It has been connected, but the problem remains. The cause is perhaps that it has been occupied by another process. It's required to turn off other video software or USB port. Please use another USB port and run the software if the problem remains.

Q: It's connected, but no imaging is made in the video preview zone.

A: (1) Use another USB port to connect the HSDCS;
(2) Use another USB cable to connect the HSDCS and USB port;
(3) Uninstall and remove the device to install the driver;
(4) Update the USB driver of the system.

Q: What can I do if a yellow question mark or an exclamation mark appears in the image processing equipment of device manager?

A: It means that something is wrong with the system USB driver, and it's required to update the driver.

Q: The computer shows "Open device error" prompt box.

A: At first, close the software and disconnect the HSDCS. And then try to reconnect the HSDCS to the computer and reopen the software.